		PROCES DUCKET NUMBER
	PARTMENT OF COMMERCE PATENT AND TRADEL ARK OFFICE	TORNEY'S DUCKET NUMBER
ORM PTO-1390 REV. 11-2000)	TO THE INITED STATES	1422-0482P
TRANSMITTAL LETTE	R TO THE UNITED STATES	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
	LED () FLICE (DO DO CO)	U7 NEW8 9 4 9 /
CONCERNING A FIL	ING UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
INTERNATIONAL APPLICATION PO	INTERNATIONAL	January 18, 1999
PCT/JP00/00145	January 14, 2000	January 107
O 2000		ION
	SIGH-DENSITE DETERORITE	Wimibiro: KOZUKA, Jun;
APPLICANT(S) FOR DO EO/US YAMAGUCHI, SAME PANEN	Hideichi; OKADA, Kyoko; MIZUSAN GUCHI, Toshiharu and YAMASHITA, H	iroyuki
TALINOOME	GUCHI, Toshiharu and YAMASHITA, H States Designated/Elected Office (DO/EO/US) the f	following items and other information:
Applicant herewith submits to the United	States Designated, 2000	
1. This is a FIRST submission of item	s concerning a filing under 35 U.S.C. 371.	U.S.C. 371.
This is a SECOND or SUBSEQUE	NT submission of items concerning a ming and	at any time rather than delay
3. This express request to begin na	tional examination procedures (55 U.S.C. 371	(b) and PCT Articles 22 and 39 (1).
examination until the expiration	expiration of 19 months from the priority date (A	article 31).
5. A copy of the International App	olication as filed (35 U.S.C. 371(c)(2)) (required only if not transmitted by the International Bureau, WO 00/42162	nal Bureau).
a. is transmitted herewith	the International Bureau. WO 00/42162	
	11 Line wood filed in the Ullited Dialog Account	g Office (RO/US).
c. is not required, as the a	tion of the International Application as filed (35 U	J.S.C. 371(c)(2)).
6. An English language translation	HOH Of the Mosses	
is transmitted herewith		
1 ·star ——	Li Takamatianal Annii (Milloii unuci 1 C 1 122	19 (35 U.S.C. 371(c)(3)).
7. Amendments to the claims of	the International Applications th (required only if not transmitted by the International Purpose)	tional Bureau).
a. are transmitted nerowi	A OF THE STANDING TO STANDING	
b. have been transmitted c. have not been made; h	owever, the time limit for making such amendme	ents has NOT expired.
d. have not been made as	nd will not be made.	7 (25 H S C 371(c)(3)).
A Prolich language transla	tion of the amendments to the claims and	Article 19 (35 0.3.C. 371(0)(37)
8. An english language translation of the	e inventor(s) (35 U.S.C. 371(c)(4)).	E remination Report under PCT Article 36
9. An oath or declaration of the	e inventor(s) (35 U.S.C. 371(c)(4)). Ition of the annexes of the International Prelimina	ry Examination Report under 10
(35 U.S.C. 371(c)(5)).		
20 helevy concern doc	cument(s) or information included:	•
Items 11. to 20. below concern doc	11 00 /Intornati	onal Search Report w/ 14 abstracts only and 2
11. An Information Disclosure	Statement under 37 CFR 1.97 and 1.98./Internati	Ollar Souren Proposition
complete cited documents.	or recording. A separate cover sheet in compliance	ce with 37 CFR 3.28 and 3.31 is included.
12. An assignment document f	or recording. A separate cover sheet in compa	
A EIDST preliminary ame	ndment.	
14. A SECOND or SUBSEQU	ENT preliminary amendment.	
15. A substitute specification.	1/ - ddwara latter	•
16. A change of power of atto	rney and/or address letter. To of the sequence listing in accordance with PCT and application under 35 U.S.C. 1	Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
17. A computer-readable form	of the sequence fishing in accordance	54(d)(4).
18. A second copy of the pub	lished international application under 35 U.S.C. I lish language translation of the international application.	ication under 35 U.S.C. 154(d)(4).
19. A second copy of the Eng	lish language translation of the terms	•
20. Other items or informatio	n: rawing	
One (1) sheet of formal d	1944 1172	

APPLICATION NO #5knows, see 37 CFR		THE TONING			ATTORNEY'S DOCKET N	IUMBEK	
		INTERNATIONAL APPLICATION NO PCT/JP00/00145			1422-0482P		
「ロムンを名	9497	PCT/JP00/00143		CALC	CULATIONS	PTO USE ONLY	
14			}-				
The following fees are	r /27 / CVV 44///AILLECTI		1				
امسما المسماء	1400110111 PYXIIIIIIIIIIIIII IOO (27 9	CFR 1.482)	į į				
either international prei	ee (37 CFR 1.445(a)(2)) paid to	to USPTO					
or international search i	Report not prepared by the El	PO or JPO	\$1,000.00			!	
			1				
	examination fee (37 CFR 1.4)	82) not paid to					
nternational preliminary	examination fee (5) of the	e EPO or JPO	\$860.00				
JSPTO but Internationa	I Search Report propared by the						
	· foo (27 CFR 1 4	82) not paid to USPTO					
nternational preliminary	examination lee (3) Clicin	to USPTO	\$710.00				
out international search	fee (37 CFR 1.445(a)(2)) paid						
	for (27 CER 1 A	182) paid to USPTO		1			
nternational preliminar	y examination fee (37 CFR 1.4	= 33(1)-(4)	\$690.00	<u> </u>			
out all claims did not sa	y examination fee (37 CFR 1.5 tisfy provisions of PCT Article	0.55(1) (1) 1111				_	
		182) paid to USPTO		 -			
International preliminar	y examination fee (37 CFR 1.4	1) (1)	\$100.00	S	860.00	,	
				١٣			
ENTER APP	KOLKIVIE RVSIC I	EE AMOUNT		╂			
C0120 00 fc	or furnishing the oath or declar	ation later than 20	<u> </u>	\$	0		
Surcharge of \$130.00 fo	t claimed priority date (37 CFF			↓			
	NUMBER FILED	NUMBER EXTRA	RATE	<u> </u>			
CLAIMS		0	X \$18.00	\$	0		
Total Claims	4 - 20 =	· · · · · · · · · · · · · · · · · · ·	X \$80.00	\$	0		
Independent Claims	1 - 3 =	0			0		
Independent Characteristics	ENT CLAIM(S) (if applicable)	None	+ \$270.00				
MULTIPLE DEPENDI	TOTAL	OF ABOVE CALCULA	ATIONS =	- \ \$	860.00		
	IUIAL	107 The fees indicated at	oove are		0		
Applicant claims s	mall entity status. See 37 CFR	1.27. The fees indicated at	,0,0	\$	v		
reduced by 1/2.			TOTAL =	= \$	860.00		
1,1,1,1				_			
D	.00 for furnishing the English	translation later than]20	\$	0		
Processing lee of \$150	st claimed priority date (37 CF		T		860.00		
			IAL FEE =	= \$	800.00		
1	1 1 compant (37 CFR	1 21(b)) The assignment n	nust be	S	40.00		
	enclosed assignment (37 CFR	3 28 3.31). \$40.00 per pr	operty +				
Fee for recording the		TOTAL FEES EN	CLOSED :	= \\$	900.00		
Fee for recording the accompanied by an ap	propriate cover sheet (37 CTR	TYYTAI KKKS MITI					
Fee for recording the accompanied by an ap	propriate cover sheet (37 CFR	TOTAL FEES EN	CEOS	_	Amount to be:	S	
Fee for recording the caccompanied by an ap	propriate cover sheet (37 CFR	TOTAL FEES EN	02002-		Amount to be: refunded	\$	
Fee for recording the caccompanied by an ap	propriate cover sheet (37 CFR	TOTAL FEES EN	<u></u>	_	refunded		
Fee for recording the caccompanied by an ap	propriate cover sheet (37 CFR	TOTAL FEES EN					
accompanied by an ap	propriate cover sheet (37 GFR	TOTAL			refunded		
accompanied by an ap	propriate cover sheet (37 GFR	he above fees is enclosed.		_	refunded charged		
a. A check in the	amount of \$ 900.00 to cover t	he above fees is enclosed.		_	refunded charged		
a. \(\sum \) A check in the	amount of \$ 900.00 to cover to	TOTAL		_	refunded charged		
a. A check in the	amount of \$ 900.00 to cover to this sheet is enclosed.	the above fees is enclosed in the amount of	\$t	o cove	refunded charged r the above fees.	S	
a. A check in the b. Please charge to A duplicate co	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed.	the above fees is enclosed. in the amount of the angle any additional fees with the angle and the second s	\$t	o cove	refunded charged r the above fees.	S	
a. A check in the b. Please charge to A duplicate co	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che	the above fees is enclosed. in the amount of the amount arge any additional fees with the second control of t	\$to	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che	the above fees is enclosed. in the amount of the amount arge any additional fees with the second control of t	\$to	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commission overpayment to	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24	in the amount of arge any additional fees w	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commission overpayment to	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24	in the amount of arge any additional fees w	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commission overpayment to the NOTE: Where a 1.137(a) or (b)) many to the commission of the commission overpayment to the com	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to r	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commission overpayment to the NOTE: Where a 1.137(a) or (b)) many to the commission of the commission overpayment to the com	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to r	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commission overpayment to the NOTE: Where a 1.137(a) or (b)) must be send all correspondence Birch, Stewart, K	amount of \$ 900.00 to cover to my Deposit Account. No open of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to r	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commissity overpayment to the NOTE: Where at 1.137(a) or (b)) must be send all correspondence Birch, Stewart, K. P.O. Box 747	amount of \$ 900.00 to cover to my Deposit Account. No opy of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to recolors. e to: colasch & Birch, LLP or Cu	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commissity overpayment to the NOTE: Where at 1.137(a) or (b)) must be send all correspondence Birch, Stewart, K. P.O. Box 747 Falls Church, VA	amount of \$ 900.00 to cover to my Deposit Account. No opy of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to recolors. e to: colasch & Birch, LLP or Cu	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge to A duplicate co c. The Commissity overpayment to the NOTE: Where at 1.137(a) or (b)) must be send all correspondence Birch, Stewart, K. P.O. Box 747	amount of \$ 900.00 to cover to my Deposit Account. No opy of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to recolors. e to: colasch & Birch, LLP or Cu	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not bee	o cove	refunded charged r the above fees. ed, or credit any	S	
a. A check in the b. Please charge of A duplicate co c. The Commission overpayment to NOTE: Where as 1.137(a) or (b)) many send all correspondence Birch, Stewart, K. P.O. Box 747 Falls Church, VA (703)205-8000	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to record to the colasch & Birch, LLP or Cu 22040-0747	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not been pending state	o cove requir	refunded charged refunded charged refunded refunded refunded refuse above fees. ed, or credit any a petition to refuse refunded refuse	svive (37 CFR	
a. A check in the b. Please charge to A duplicate co c. The Commissity overpayment to the NOTE: Where at 1.137(a) or (b)) must be send all correspondence Birch, Stewart, K. P.O. Box 747 Falls Church, VA	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to record to the colasch & Birch, LLP or Cu 22040-0747	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not been pending state	o cove requir	refunded charged r the above fees. ed, or credit any	svive (37 CFR	
a. A check in the b. Please charge of A duplicate co c. The Commission overpayment to NOTE: Where as 1.137(a) or (b)) many send all correspondence Birch, Stewart, K. P.O. Box 747 Falls Church, VA (703)205-8000	amount of \$ 900.00 to cover to my Deposit Account. No py of this sheet is enclosed. oner is hereby authorized to che Deposit Account No. 02-24 n appropriate time limit und nust be filed and granted to record to the colasch & Birch, LLP or Cu 22040-0747	in the amount of arge any additional fees where application to provide the appl	\$to hich may be has not been pending state	o cove requir	refunded charged refunded charged refunded refunded refunded refuse above fees. ed, or credit any a petition to refuse refunded refuse	svive (37 CFR	